

Anti-MTCO3 antibody [DA5BC4] ab110259

★★★★☆ **3 Abreviews** **42 References** 画像数 1

製品の概要

製品名	Anti-MTCO3 antibody [DA5BC4]
製品の詳細	Mouse monoclonal [DA5BC4] to MTCO3
由来種	Mouse
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Rat, Human, Saccharomyces cerevisiae
免疫原	Full length native protein (purified). This information is considered to be commercially sensitive.
ポジティブ・コントロール	Isolated mitochondria from Human , Rat and Mouse hearts.
特記事項	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	<p>pH: 7.5</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: HEPES buffered saline</p>
精製度	IgG fraction
特記事項(精製)	ab110259 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. Near homogeneity ab110259 was judged as near homogeneity by SDS-PAGE.
ポリ/モノ	モノクローナル

クローン名	DA5BC4
アイソタイプ	IgG2a
軽鎖の種類	kappa

アプリケーション

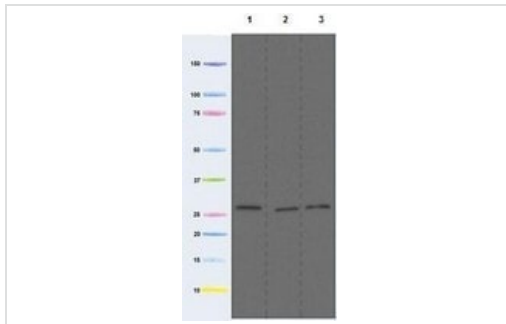
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab110259の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★☆ (3)	Use a concentration of 2 - 4 µg/ml. Predicted molecular weight: 30 kDa. Due to the hydrophobic nature of this protein, it is recommended that the WB is performed on a PVDF membrane with a 90 minute CAPS-buffer transfer.

ターゲット情報

機能	Subunits I, II and III form the functional core of the enzyme complex.
関連疾患	Defects in MT-CO3 are a cause of Leber hereditary optic neuropathy (LHON) [MIM:535000]. LHON is a maternally inherited disease resulting in acute or subacute loss of central vision, due to optic nerve dysfunction. Cardiac conduction defects and neurological defects have also been described in some patients. LHON results from primary mitochondrial DNA mutations affecting the respiratory chain complexes. Defects in MT-CO3 are a cause of mitochondrial complex IV deficiency (MT-C4D) [MIM:220110]; also known as cytochrome c oxidase deficiency. A disorder of the mitochondrial respiratory chain with heterogeneous clinical manifestations, ranging from isolated myopathy to severe multisystem disease affecting several tissues and organs. Features include hypertrophic cardiomyopathy, hepatomegaly and liver dysfunction, hypotonia, muscle weakness, exercise intolerance, developmental delay, delayed motor development and mental retardation. A subset of patients manifest Leigh syndrome. Defects in MT-CO3 are associated with recurrent myoglobinuria mitochondrial (RM-MT) [MIM:550500]. Recurrent myoglobinuria is characterized by recurrent attacks of rhabdomyolysis (necrosis or disintegration of skeletal muscle) associated with muscle pain and weakness, and followed by excretion of myoglobin in the urine.
配列類似性	Belongs to the cytochrome c oxidase subunit 3 family.
細胞内局在	Mitochondrion inner membrane.

画像



Western blot - Anti-MTCO3 antibody [DA5BC4]
(ab110259)

All lanes : Anti-MTCO3 antibody [DA5BC4] (ab110259) at 4 µg/ml

Lane 1 : Isolated mitochondria from Human heart at 5 µg

Lane 2 : Isolated mitochondria Rat heart at 10 µg

Lane 3 : Isolated mitochondria from Mouse heart at 10 µg

Predicted band size: 30 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors